

305722SEQLISTING.txt
SEQUENCE LISTING

<110> COMMISSARIAT A L'ENERGIE ATOMIQUE (CEA)

VITA, Claudio

LE CLAINCHE, Loïc

MONJARDET, Veronique

<120> URANIUM CHELATING PEPTIDES AND USE THEREOF

<130> F263PCT89

<150> FR 0308211

<151> 2003-07-04

<160> 24

<170> PatentIn version 3.1

<210> 1

<211> 33

<212> PRT

<213> Artificial sequence

<220>

<223> peptide CaM

<400> 1

Glu Gln Ile Ala Glu Phe Lys Glu Ala Phe Ala Leu Phe Asp Lys Asp
1 5 10 15

Gly Asp Gly Thr Ile Thr Thr Lys Glu Leu Gly Thr Val Met Arg Ser
20 25 30

Leu

305722SEQLISTING.txt

<210> 2

<211> 33

<212> PRT

<213> Artificial sequence

<220>

<223> peptide CaM-M1c

<400> 2

Glu Gln Ile Ala Glu Phe Lys Glu Ala Phe Ala Leu Cys Asp Lys Asp
1 5 10 15

Gly Asp Gly Tyr Ile Thr Thr Lys Glu Leu Gly Thr Cys Met Arg Ser
20 25 30

Leu

<210> 3

<211> 33

<212> PRT

<213> Artificial sequence

<220>

<223> peptide CaM-M2c

<400> 3

Glu Gln Ile Ala Glu Phe Lys Glu Ala Phe Ala Leu Cys Asp Lys Asp
1 5 10 15

Gly Asp Gly Tyr Ile Thr Thr Lys Asp Leu Gly Thr Cys Met Arg Ser
20 25 30

Leu

<210> 4

<211> 33

<212> PRT

<213> Artificial sequence

<220>

<223> peptide CaM-M3c

<400> 4

Glu Gln Ile Ala Glu Phe Lys Glu Ala Phe Ala Leu Cys Thr Lys Asp
1 5 10 15

Gly Thr Gly Tyr Ile Thr Thr Lys Glu Leu Gly Thr Cys Met Arg Ser
20 25 30

Leu

<210> 5

<211> 33

<212> PRT

<213> Artificial sequence

<220>

<223> peptide CaM-M4c

<400> 5

Glu Gln Ile Ala Glu Phe Lys Glu Ala Phe Ala Leu Cys Asn Lys Asn
1 5 10 15

Gly Asn Gly Tyr Ile Thr Thr Lys Glu Leu Gly Thr Cys Met Arg Ser
20 25 30

Leu

<210> 6

<211> 33

<212> PRT

<213> Artificial sequence

<220>

<223> peptide CaM-M5c

305722SEQLISTING.txt

<400> 6

Glu Gln Ile Ala Glu Phe Lys Glu Ala Phe Ala Leu Cys Asp Lys Thr
1 5 10 15

Gly Thr Gly Tyr Ile Thr Thr Lys Glu Leu Gly Thr Cys Met Arg Ser
20 25 30

Leu

<210> 7

<211> 33

<212> PRT

<213> Artificial sequence

<220>

<223> peptide CaM-M6c

<400> 7

Glu Gln Ile Ala Glu Phe Lys Glu Ala Phe Ala Leu Cys Thr Lys Thr
1 5 10 15

Gly Asp Gly Tyr Ile Thr Thr Lys Glu Leu Gly Thr Cys Met Arg Ser
20 25 30

Leu

<210> 8

<211> 17

<212> PRT

<213> Artificial sequence

<220>

<223> peptide MLCKp

<400> 8

Arg Arg Lys Trp Gln Lys Thr Gly His Ala Val Arg Ala Ile Gly Arg
1 5 10 15

Leu

<210> 9

<211> 33

<212> PRT

<213> Artificial sequence

<220>

<223> peptide CaM-M7c

<400> 9

Glu Gln Ile Ala Glu Phe Lys Glu Ala Phe Ala Leu Cys Ser Lys Asp
 1 5 10 15

Gly Ser Gly Tyr Ile Thr Thr Lys Glu Leu Gly Thr Cys Met Arg Ser
 20 25 30

Leu

<210> 10

<211> 33

<212> PRT

<213> Artificial sequence

<220>

<223> peptide CaM-M8c

<400> 10

Glu Gln Ile Ala Glu Phe Lys Glu Ala Phe Ala Leu Cys Thr Lys Thr
 1 5 10 15

Gly Thr Gly Tyr Ile Thr Thr Lys Glu Leu Gly Thr Cys Met Arg Ser
 20 25 30

Leu

<210> 11

<211> 33

305722SEQLISTING.txt

<212> PRT

<213> Artificial sequence

<220>

<223> peptide CaM-M9c

<400> 11

Glu Gln Ile Ala Glu Phe Lys Glu Ala Phe Ala Leu Cys Thr Lys Asp
1 5 10 15

Gly Asp Gly Tyr Ile Thr Thr Lys Glu Leu Gly Thr Cys Met Arg Ser
20 25 30

Leu

<210> 12

<211> 33

<212> PRT

<213> Artificial sequence

<220>

<223> peptide CaM-M10c

<400> 12

Glu Gln Ile Ala Glu Phe Lys Glu Ala Phe Ala Leu Cys Asp Lys Asp
1 5 10 15

Gly Thr Gly Tyr Ile Thr Thr Lys Glu Leu Gly Thr Cys Met Arg Ser
20 25 30

Leu

<210> 13

<211> 12

<212> PRT

<213> artificial sequence

<220>

<223> CaM peptide 20-31

<400> 13

Asp Lys Asp Gly Asp Gly Thr Ile Thr Thr Lys Glu
1 5 10

<210> 14
 <211> 12
 <212> PRT
 <213> artificial sequence

<220>
 <223> CaM peptide 56-67

<400> 14

Asp Ala Asp Gly Asn Gly Thr Ile Asp Phe Pro Glu
 1 5 10

<210> 15
 <211> 12
 <212> PRT
 <213> artificial sequence

<220>
 <223> CaM peptide 93-104

<400> 15

Asp Lys Asp Gly Asn Gly Tyr Ile Ser Ala Ala Glu
 1 5 10

<210> 16
 <211> 12
 <212> PRT
 <213> artificial sequence

<220>
 <223> CaM peptide 129-140

<400> 16

Asp Ile Asp Gly Asp Gly Gln Val Asn Tyr Glu Glu
 1 5 10

<210> 17
 <211> 13
 <212> PRT
 <213> artificial sequence

<220>
 <223> CaM peptide 7-19

<400> 17

Glu Gln Ile Ala Glu Phe Lys Glu Ala Phe Ser Leu Phe
 1 5 10

<210> 18
 <211> 7
 <212> PRT
 <213> artificial sequence

<220>

<223> CaM peptide 32-38

<400> 18

Leu Gly Thr Val Met Arg Ser
 1 5

<210> 19

<211> 11

<212> PRT

<213> artificial sequence

<220>

<223> CaM peptide 45-55

<400> 19

Glu Ala Glu Leu Gln Asp Met Ile Asn Glu Val
 1 5 10

<210> 20

<211> 11

<212> PRT

<213> artificial sequence

<220>

<223> CaM peptide 68-78

<400> 20

Phe Leu Thr Met Met Ala Arg Lys Met Lys Asp
 1 5 10

<210> 21

<211> 14

<212> PRT

<213> artificial sequence

<220>

<223> CaM peptide 79-92

<400> 21

Thr Asp Ser Glu Glu Glu Ile Arg Glu Ala Phe Arg Val Phe
 1 5 10

<210> 22

<211> 7

<212> PRT

<213> artificial sequence

<220>

<223> CaM peptide 105-111

<400> 22

Leu Arg His Val Met Thr Asn
 1 5

305722SEQLISTING.txt

<210> 23
<211> 11
<212> PRT
<213> artificial sequence

<220>
<223> CaM peptide 118-128

<400> 23

Asp Glu Glu Val Asp Glu Met Ile Arg Glu Ala
1 5 10

<210> 24
<211> 7
<212> PRT
<213> artificial sequence

<220>
<223> CaM peptide 141-147

<400> 24

Phe Val Gln Met Met Thr Ala
1 5